



# ***Moving to a Net-Centric Environment***

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Major General Marilyn Quagliotti  
Vice Director, Defense Information Systems  
Agency

11 Aug 04

2004 Acquisition Senior Leaders' Conference



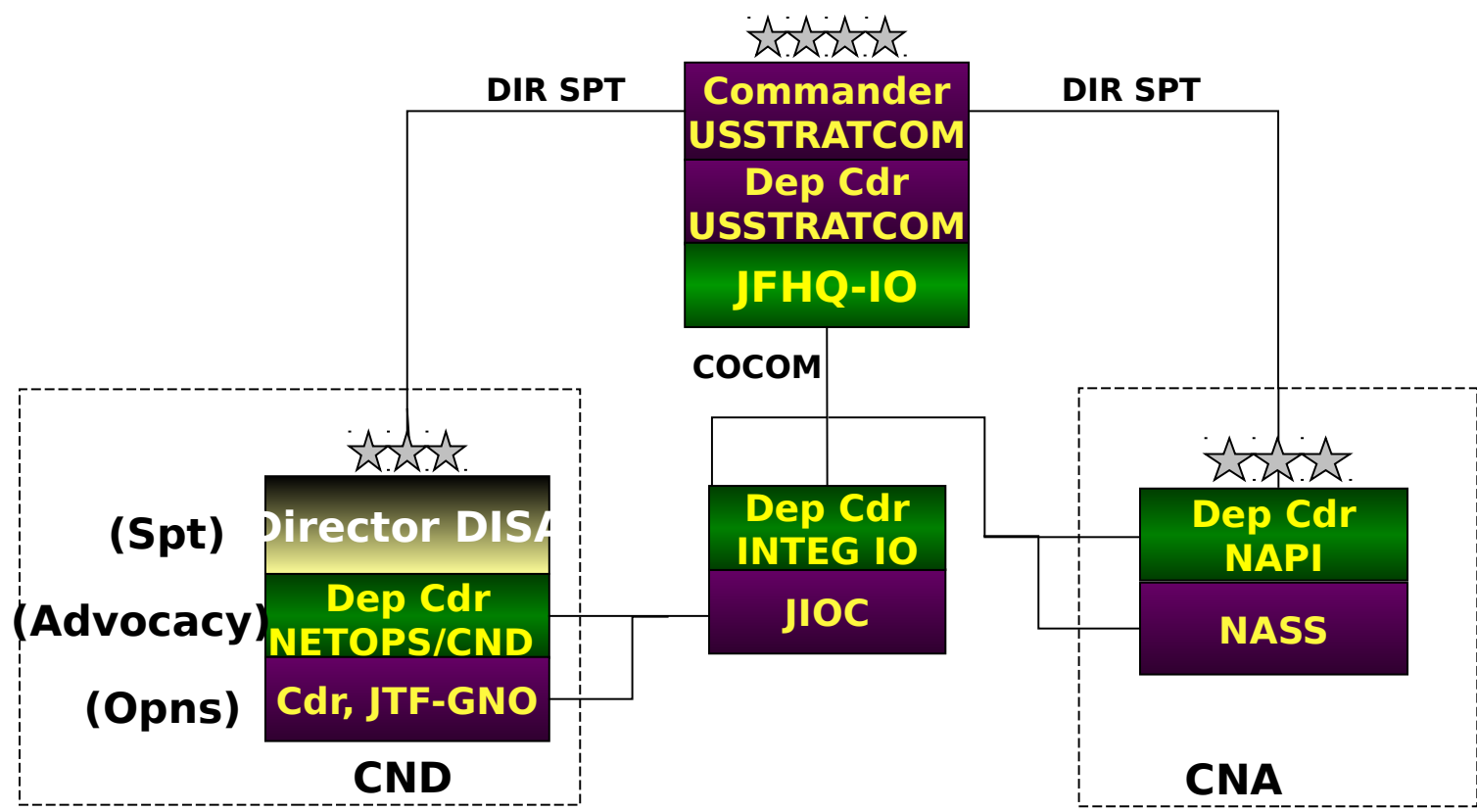
# Our Mission

**The Defense Information Systems Agency is a combat support agency responsible for planning, engineering, acquiring, fielding, and supporting global net-centric solutions and operating the Global Information Grid to serve the needs of the President, Vice President, the Secretary of Defense, the Joint Chiefs of Staff, the Combatant Commanders, and the other DoD Components under all conditions of peace and war.**





# STRATCOM IO Org. Structure



**Director, DISA** designated **Commander, JTF-Global Network Operations** and **Deputy Commander for Global Network Operations and Defense, USSTRATCOM Joint Forces Headquarters-Information Operations**

NASS - Network Attack Support Staff

NAPI - Network Attack Planning and

Integration





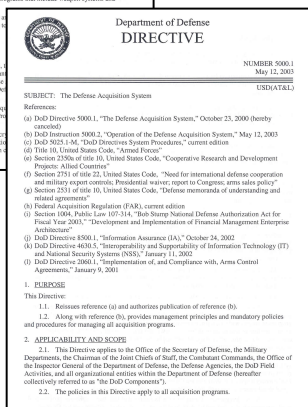
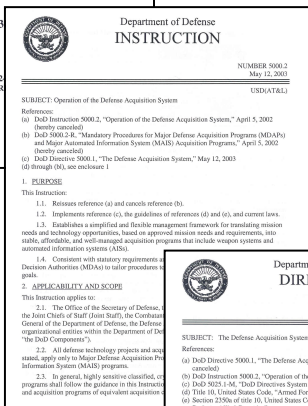
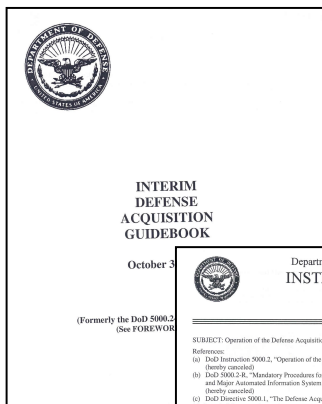
# Component Acquisition Executive

- **Goldwater-Nichols Act (1986)** initiated DoD acquisition process directions and instructions
- **DoD 5000-series** published DoD acquisition policy, guidance, and processes (updated May 03)
- **Component Acquisition Executive = a DoD component-level acquisition decision authority (DoDD 5000.2)**
- **CAEs implement DoD 5000-series policy and guidance**
- **DISA CAE delegation (Aug 02)**
- **New full-time DISA CAE and office (1 Oct 03)**

## Interim Defense Acquisition Guidebook

## DoDD 5000.2 Operation of the Defense Acquisition System

## DoDI 5000.1 The Defense Acquisition System

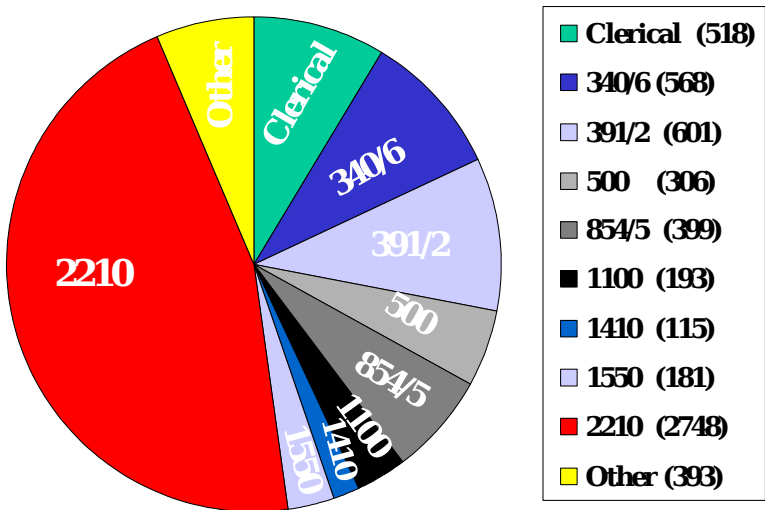


**oversees and Guides all DISA Programs/Project**

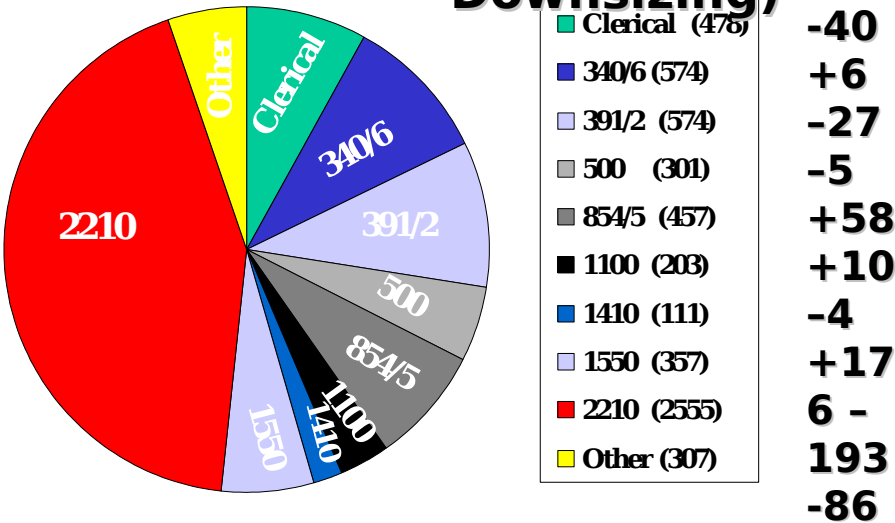


# Workforce Reshaping

**BEFORE (Aug 03)**



**AFTER (Now - Excludes DECC Downsizing)**



**Clerical = Admin (-40)**

**340/6 = Mgmt Analysts (+6)**

**391/2 = Telecomm (-27)**

**500 = Financial Series (-5)**

**854/5 = Engineers (+58)**

**1100 = Acquisition (+10)**

**1410 = Tech Librarians (-4)**

**1550 = Cmptr Science (+176)**

**2210 = Info Tech Spec (-193)**

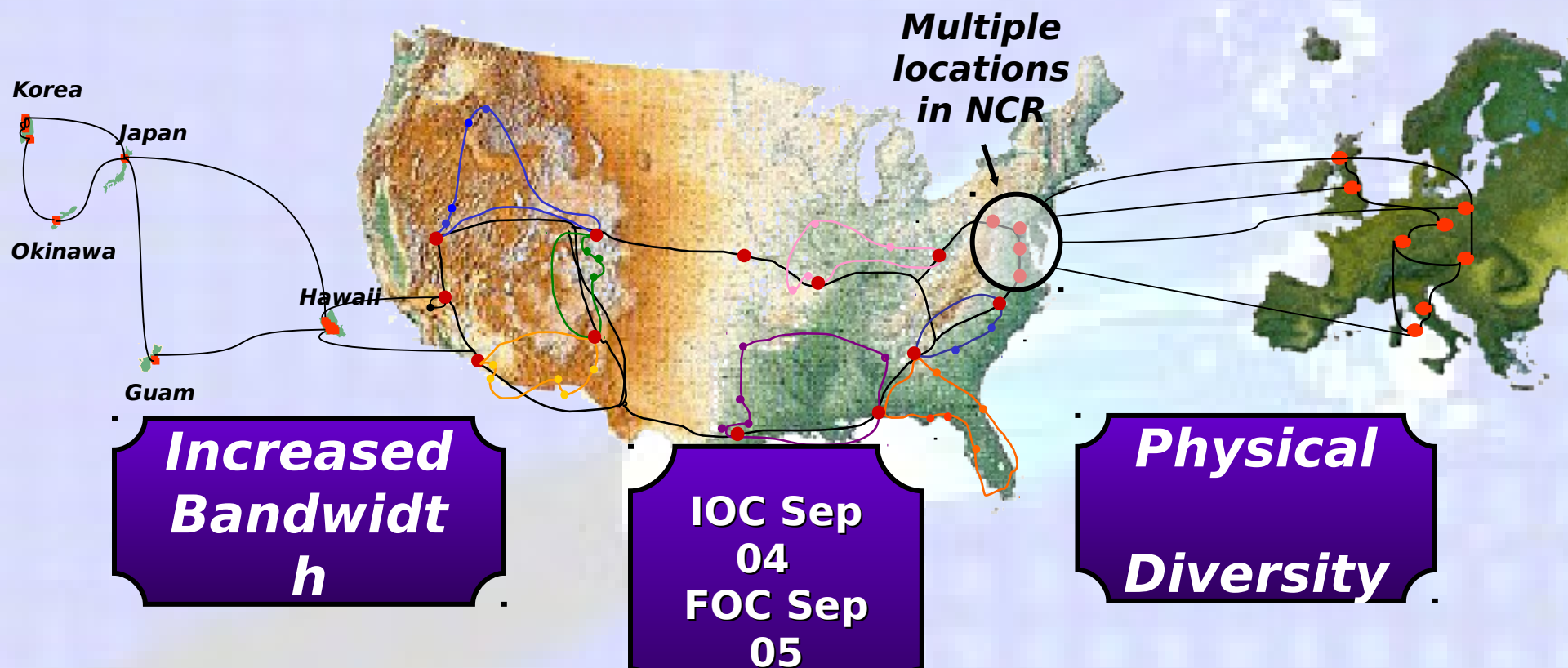
**Other = Misc Series (-86)**

**AGENCY ATTRITION RATE - 7%**



# GIIG Bandwidth Expansion: Enhancing DISN

***Supports the war on terrorism and transformation of US defense by providing survivable, critical network foundation that enables worldwide network-centric operations.***



***Survivable, Secure, Robust, Optical IP Terrestrial Network***



# Next Generation DISN

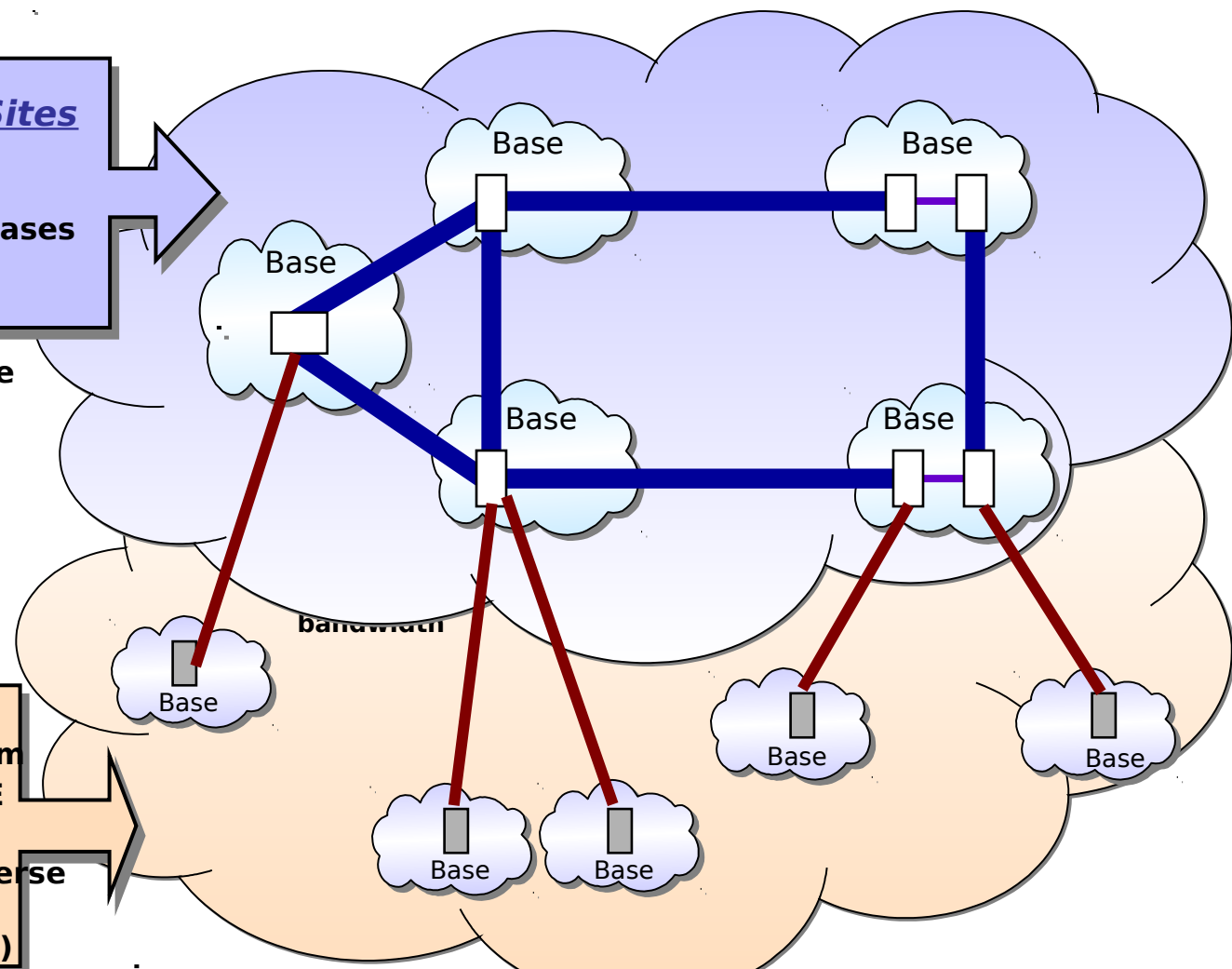
## *DISN Migration to GIG-BE*

### **GIG Bandwidth Expansion Sites (~90):**

- Funded by GIG-BE Program
- Physically Diverse Access To Bases
- 0.15 to 10 GBPS Minimum (As Affordable)
- Minimal Latency
- Rapid Provisioning Across Core

### **Other DISN Sites (~600):**

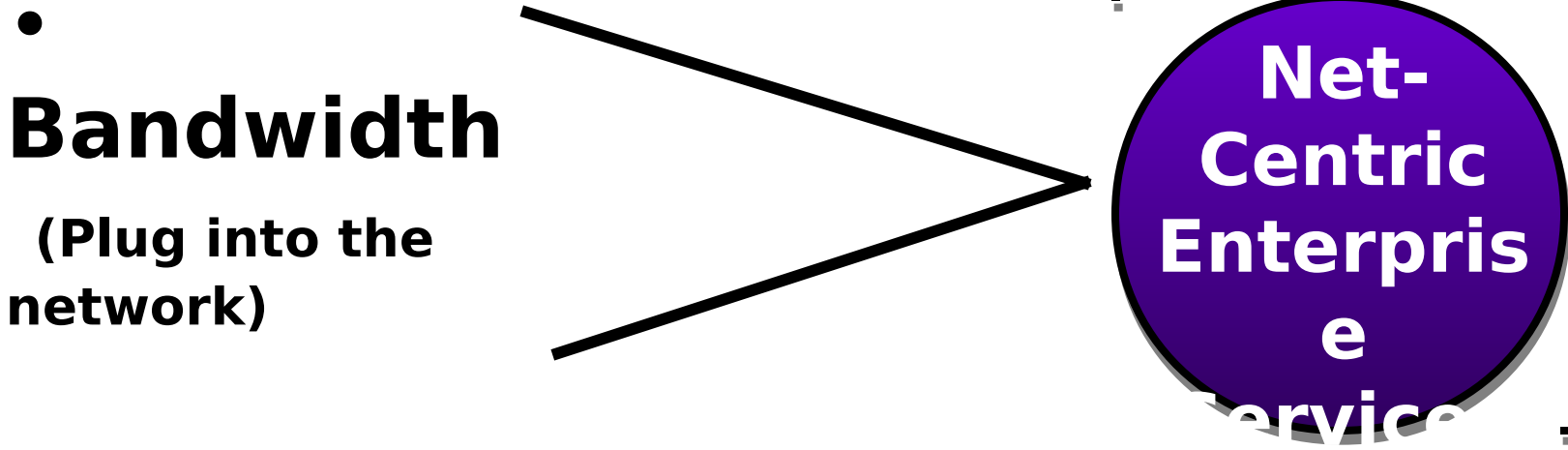
- Not funded by GIG-BE Program
- Optimized Access Into GIG-BE Sites
  - Possibility of Physically Diverse Routes In Metro Areas
- Up to 10 GBPS (As Affordable)
- Reduced Latency



***While Converging Voice, Data and Video over***



# Material Changes Are Driving Process Change



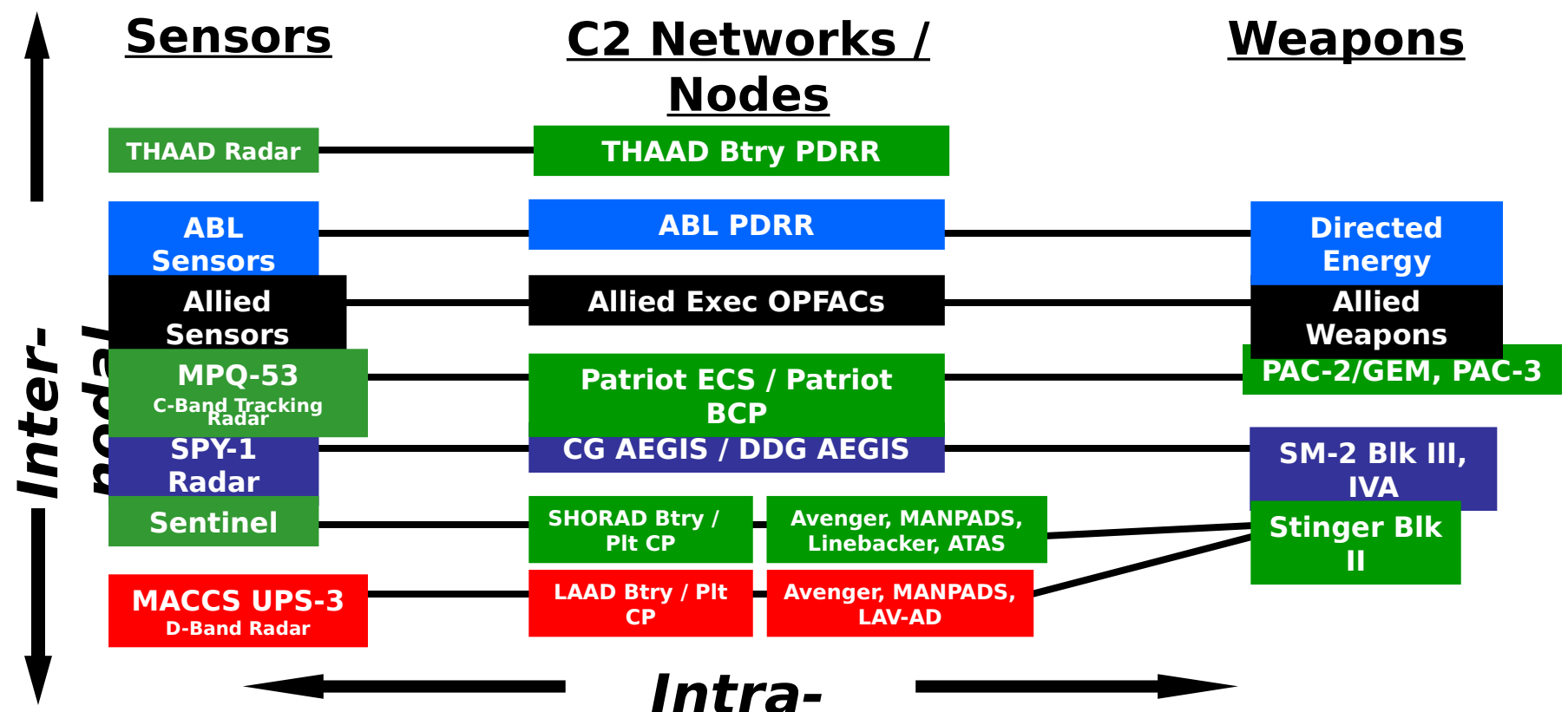
- **Information  
On**

***Service-Based Infrastructure rather  
than a Systems-Based Infrastructure***





# Distributed Systems Capabilities



**ABL PDRR** - Airborne Laser Program Definition and Risk Reduction

**CG / DDG** - Guided Missile Cruiser / Guided Missile Destroyer

**LAAD** - Low Altitude Air Defense

**LAV-AD** - Light Armored Vehicle Air Defense

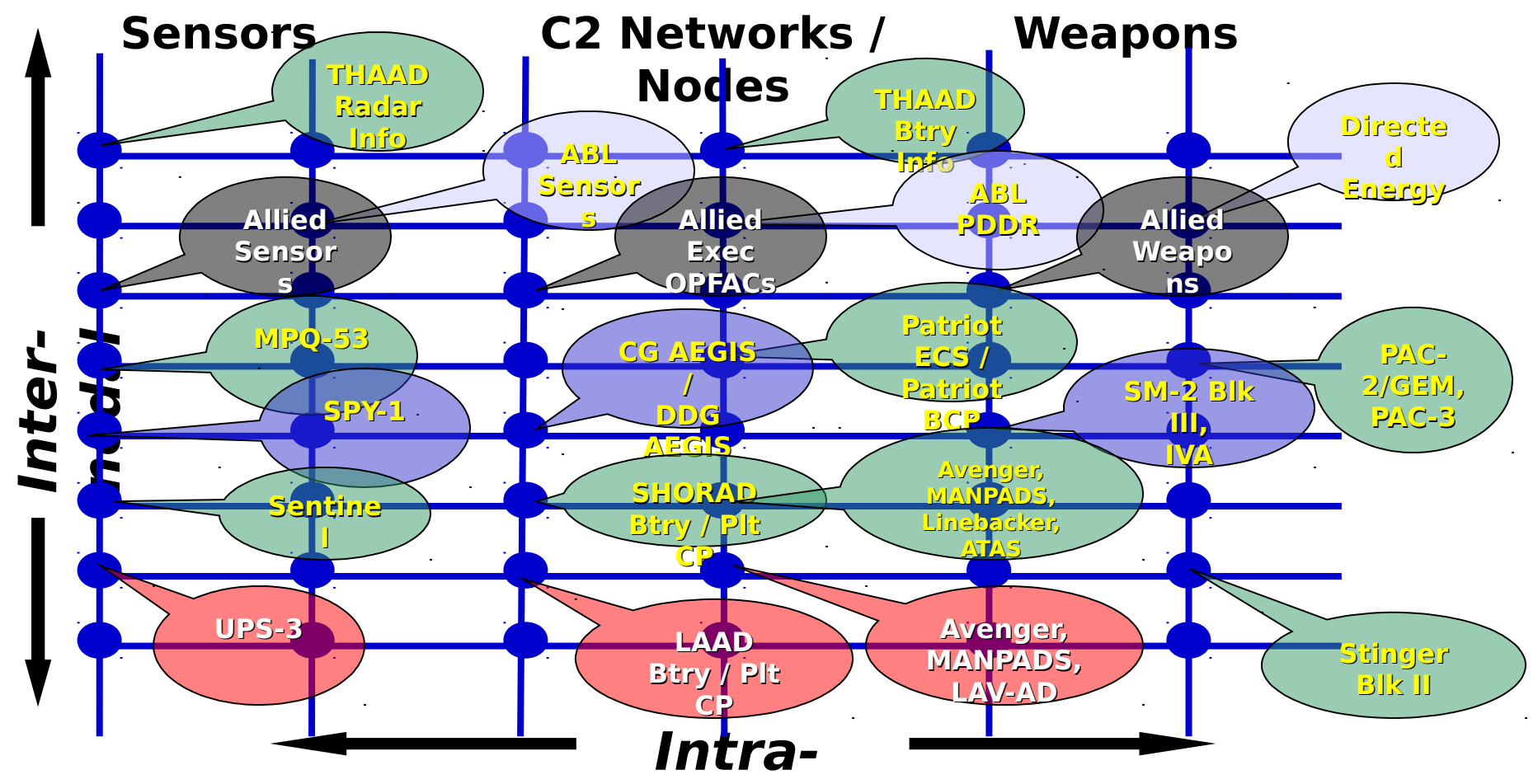
**MACCS** - Marine Air Command and Control System

**SM-2** - Land Attack Standard Missile

**THAAD** - Terminal High-Altitude Area Defense



# Distributed Systems Capabilities

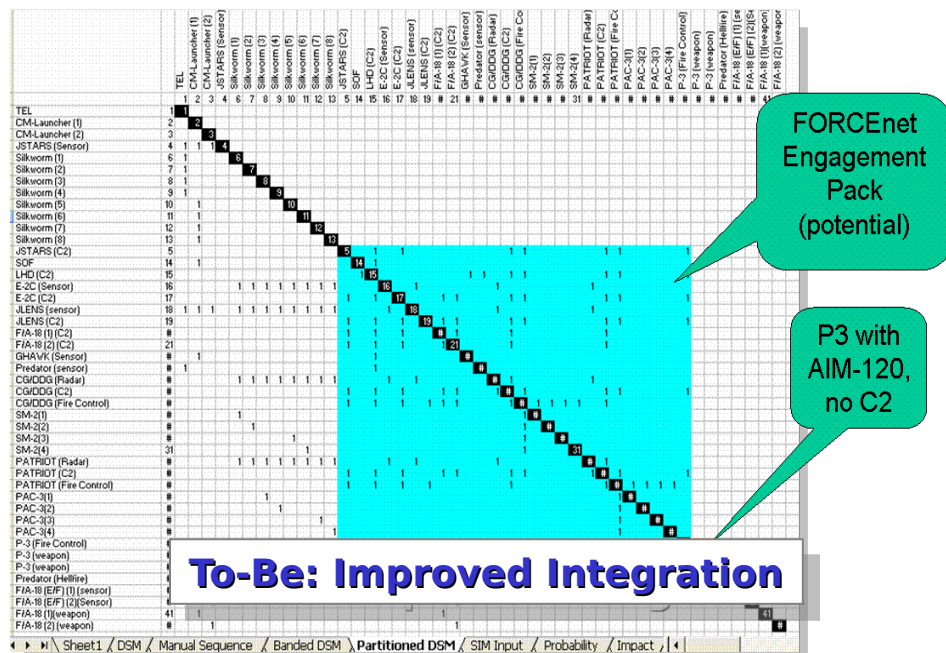
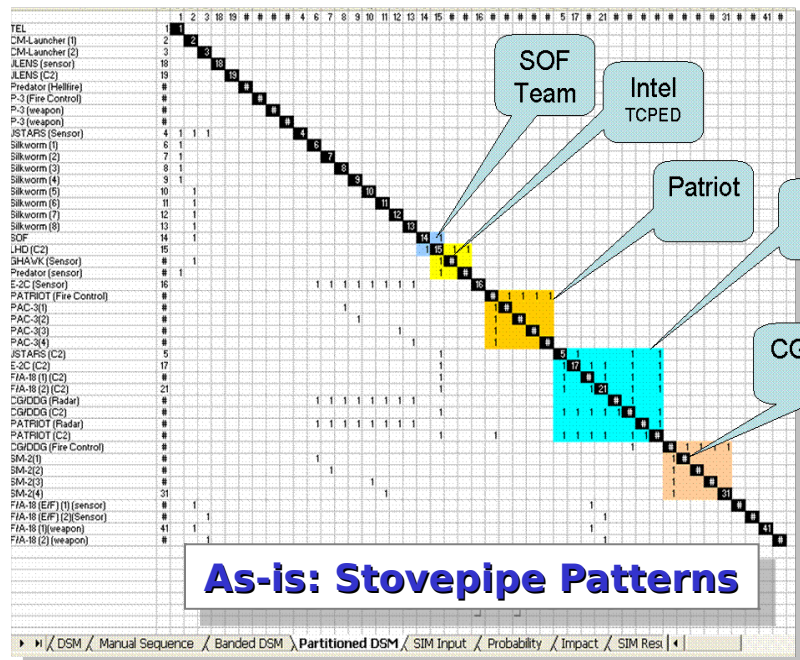


**NCES Will Allow Information Exchange  
Across Weapons Systems and Sensors**

**Tomorrow: NCES / GES**



# Integration Pattern Emergence



**TCPED** - Tasking, Collection, Processing, Exploitation and Dissemination

**CG/DDG** - Carrier Group/Guided Missile Destroyer

**(NCES - GES)**

*Even the smallest units can pull whatever data they need, whenever they need it, from wherever*



# Services

A core piece of the larger GIG Enterprise Services

(GES) vision.

**BUSINESS DOMAINS**

- Installations & Environment
- Human Resources
- Strategic Planning & Budget
- Accounting & Finance
- Logistics
- Acquisition

**WARFIGHTER DOMAINS**

- Command & Control
- Force Application
- Protection
- Focused Logistics
- Battlespace Awareness

Institutional COIs

Expedient COIs

Cross Domain COIs

Domain/COI Services

**National Intelligence Domains**

IC  
Org  
Spaces

Controlled Info Exchange (CIE)

Specialized functional area information and services

Application IA/Security ESM	User Assistant IA/Security ESM	Storage IA/Security ESM	Messaging IA/Security ESM	IA/Security ESM
Discovery IA/Security ESM	Collaboration IA/Security ESM	Mediation IA/Security ESM	Enterprise Service Management (ESM) IA/Security	

Core Enterprise

Controlled UNCLAS

Classified

**NCES Program**

Core information and services anyone can use



User/ Entity



Allied/  
Coalition & Multi-  
national

Controlled Info  
Exchange



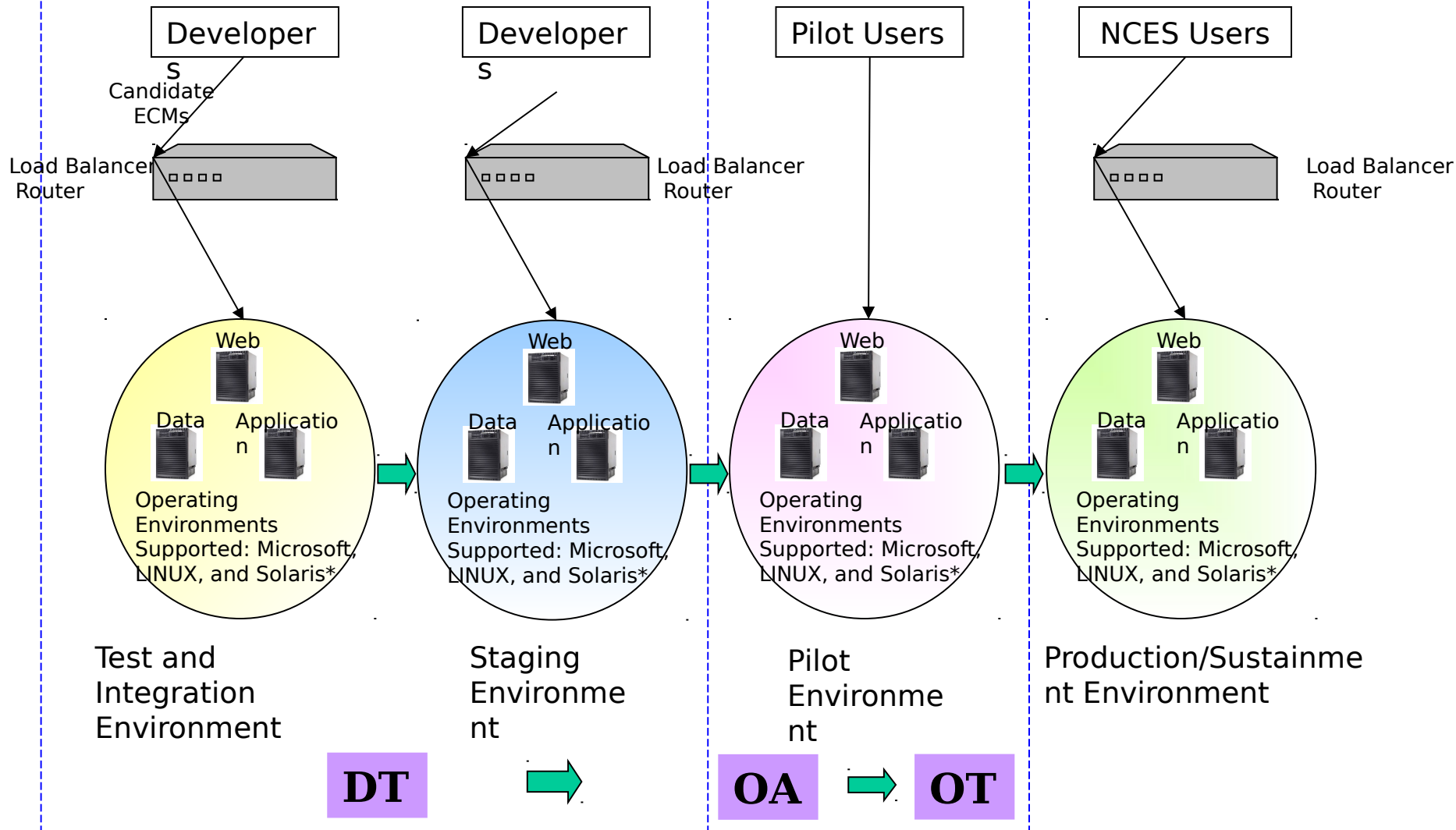


# Notional NCES ECM Environments

MS A

MS B

MS C



\*Latest Shipping Operating Versions: Currently Solaris 10, Red Hat 7.3, and Microsoft 2003 Server

***Joint Interoperability, Assured Security, Best Value, Customer Success***

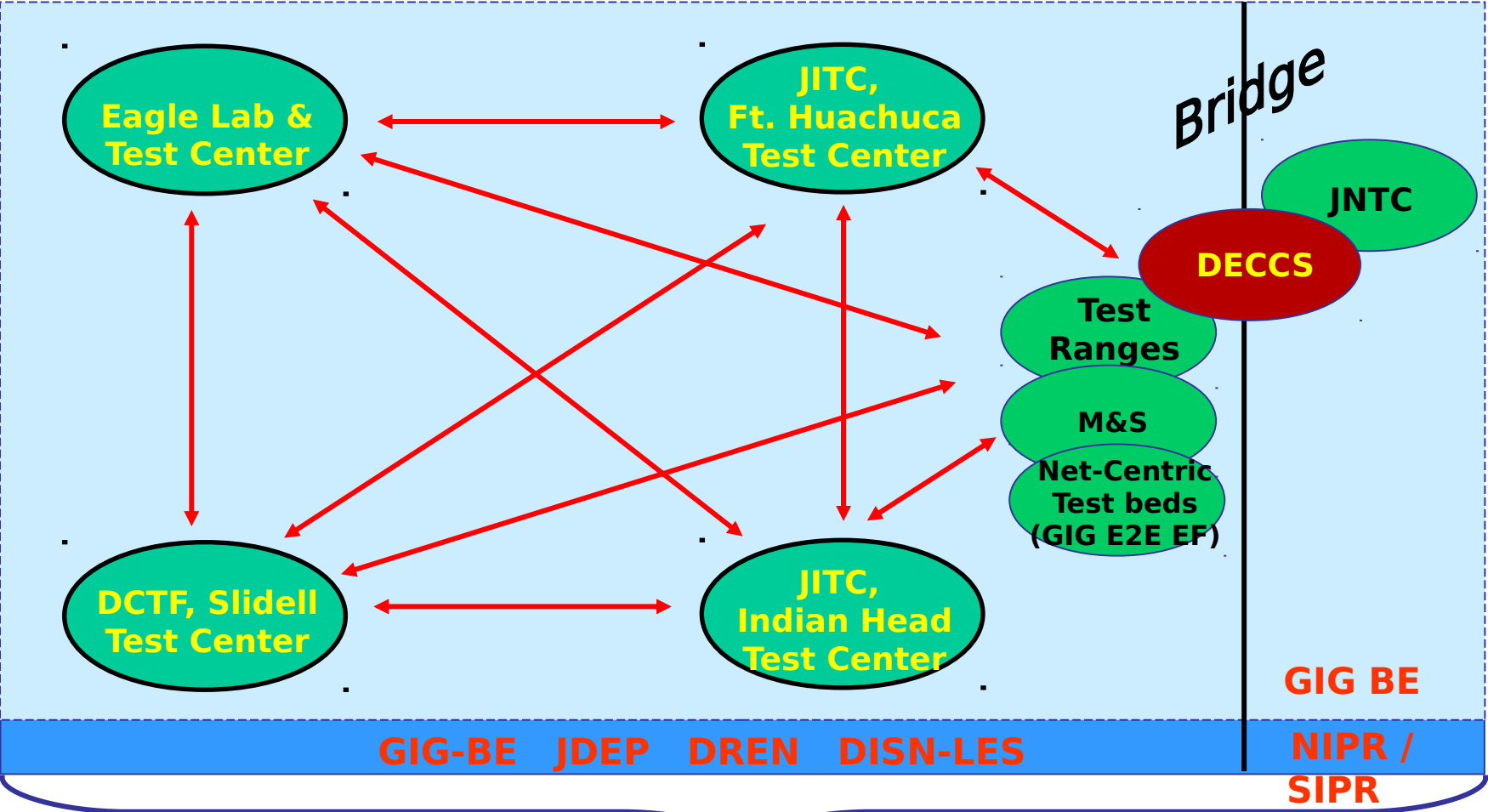


**Global Net-Centric Solutions -- The Warfighter's Edge**



# One Test Environment

Comprised of Distributed Complementary Facilities



**Persistent Environments**  
**Appropriate Security Controls**

**End to End Capability**  
**Global Reach**